SIEMENS

MOBILETT Plus HP

SP

Service

Modification Instructions

Cable winder

Kit part No. 65 28 322

© Siemens AB 1999
The reproduction, transmission or use of this document or its contents is not permitted without express written authority. Offenders will be liable for damages. All rights, including rights created by patent grant or registration of a utility model or design, are reserved.

English
Print No.: SPR8-220.092.01.01.02
Doc. Gen. Date: 05.99
65 26 805

Chapter	Page	Revision
All	All	01

Page

1 General 1 - 1

Purpose . . . . . 1 - 1
Training of field service engineers . . . . . 1 - 1
Text emphasis . . . . . 1 - 1
Required tools and auxiliary devices . . . . . 1 - 1
Safety information and protective measures . . . . . 1 - 2
Protective measures batteries B10 and capacitors in power transmission unit M10 . . 1 - 2

2 Cable winder 2 - 1

Modification of cable winder . . . . . 2 - 1

Page

This page intentionally left blank.

Purpose

This document describes how to attach a plastic washer to prevent the cable winder to fall out of position.

Training of field service engineers

Due to the technology used in this equipment, setup, service and maintenance should be performed only by field service engineers who have a work authorization for MOBILETT Plus.

Text emphasis

⚠WARNING	**“Warnings” are information provided with special emphasis when there is the potential for personal injury or life-threatening danger to the operator or patient.**
CAUTION	**“Cautions” are information provided with special emphasis when there is a potential for danger or damage to the equipment.**
NOTICE	**“Notices” are information provided with special emphasis to facilitate proper use of the equipment or proper execution of a procedure.**

Required tools and auxiliary devices

- Standard service equipment
- Digital multimeter
- LOCTITE 221 alternative LOCTITE 222

The modification kit 65 28 322 contains the following parts:

Amount	Part. No.	Name
1	65 26 805	Modification Instructions (This document)
1	65 28 264	Washer
1	60 26 579	Screw
3	65 01 712	Cable tie

Safety information and protective measures

CAUTION

- **When performing service work and tests adhere to:**
  - **the product-specific safety information in the documents,**
  - **as well as the general safety information contained in ARTD Part 2.**

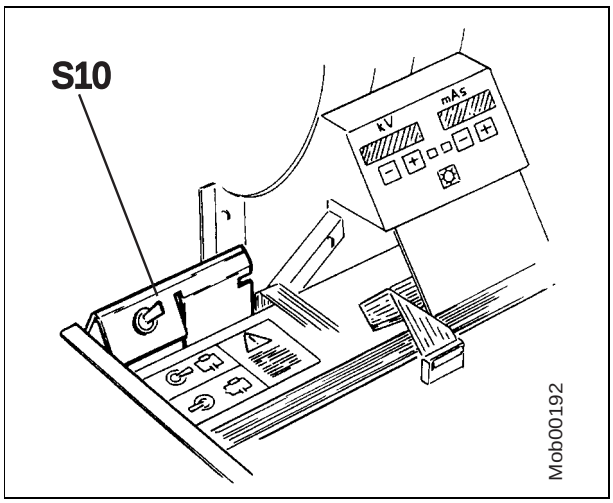

Fig. 1

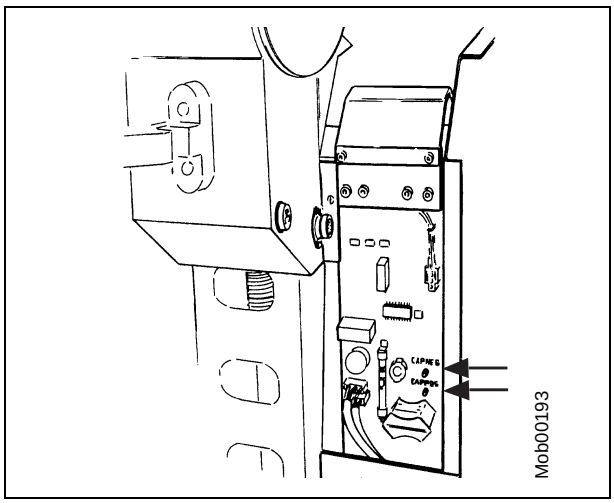

Fig. 2

Protective measures batteries B10 and capacitors in power transmission unit M10

Comply with the information in this section, before opening the system.

⚠WARNING

Never work with the system open if the batteries are still connected and the capacitor is charged. If the batteries are connected, the complete system is on!

The capacitors in M10 may still be charged even if the system is switched OFF and the line voltage cable is disconnected. Lifethreatening electric shock hazard exists.

The capacitors in M10 must be consedered charged until the protective measures listed in this section have been performed.

- Disconnect the mains/supply cable.
- Remove the system upper cover.
- Discharge the capacitors of the power transmission unit with S10 (D7) (refer to Fig. 1).
- Wait 5 minuter; then remove the left, right and front covers.

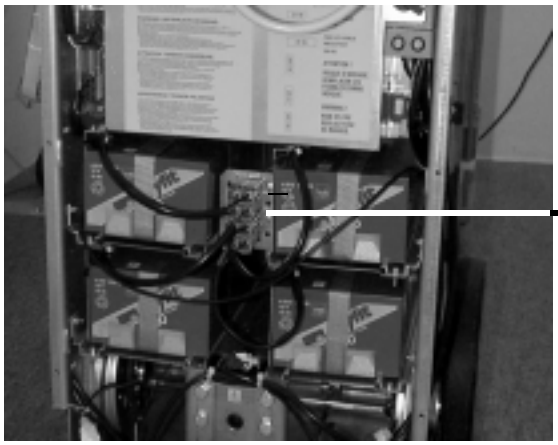

Fig. 3

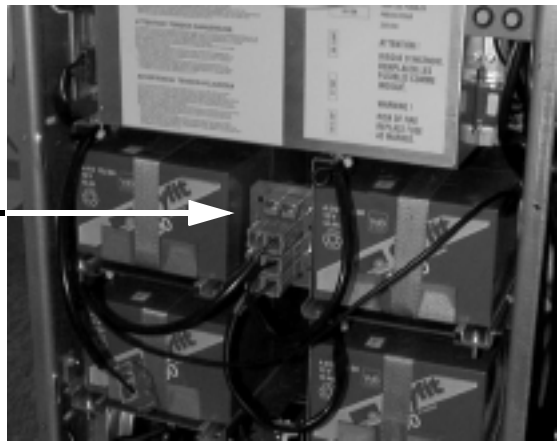

Fig. 4

- Disconnect batteries by removing one of the KBATT plugs (refer fig. Fig. 3 and Fig. 4).
- Measure the residual voltage at test points CAPPOS and CAPNEG on board D7 (refer to Fig. 2): The voltage measured must be less than 2VDC.

⚠WARNING

If the voltage measured between CAPPOS and CAPNEG is 0V, the measurement device could be defective or the wires between the CAPPOS and CAPNEG test points on the capacitor band could be damaged. In this case, proceed as follows:

- Make sure that the correct measurement range is set on the measurement device.
- Connect the measuement device to CAPPOS and CAPNEG
- Switch S10 off. Connect the line voltage cable and switch the system ON.
- Check whether the voltage increases.
- Switch the system OFF, disconnect the line voltage cable and switch S10 on.
- Check whether the voltage decreases.

⚠WARNING

If the charging/discharging does not function, the power transmission unit M10 must be considered "charged". In this case, use the Service Instructions to guide you in troubleshooting.

Use caution when performing measurements at the capacitors in M10. Use only the specified measurement devices (350 V DC).

This page intentionally left blank.

Modification of cable winder

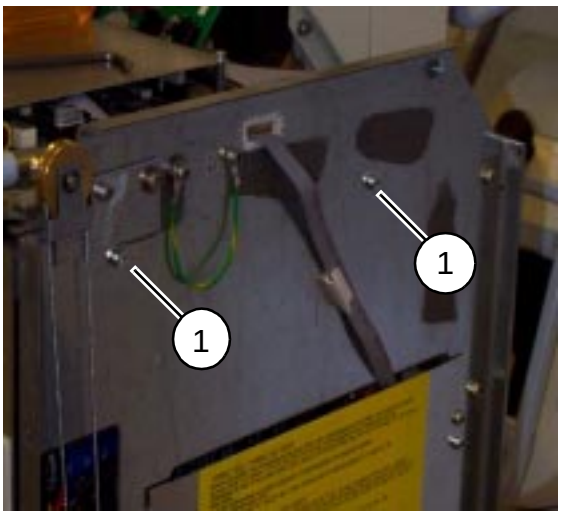

Fig. 1

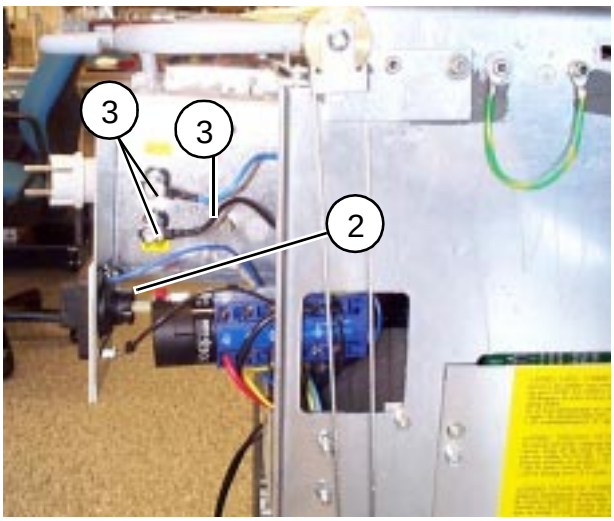

Fig. 2

- Remove the four (two on each side) screws that fixes the cable winder complete (1/Fig. 1).

NOTICE **Lock the brake handle, otherwise it is damaged by the sharpe upper edge of the cable winder cpl.**

- Pull out cable winder complete approx. 10 cm.
- Disconnect main switch element by turning the red lock counterclockwise (2/Fig. 2).
- Disconnect wires at U9/U10 and ground connection (3/Fig. 2).
- Remove three cable ties (4/Fig. 3).

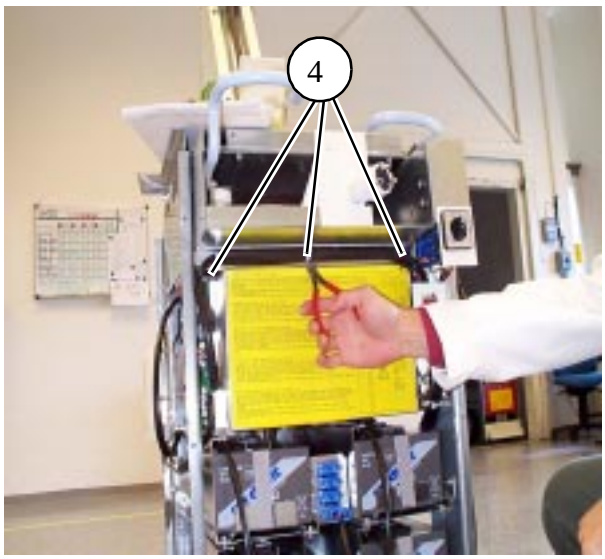

Fig. 3

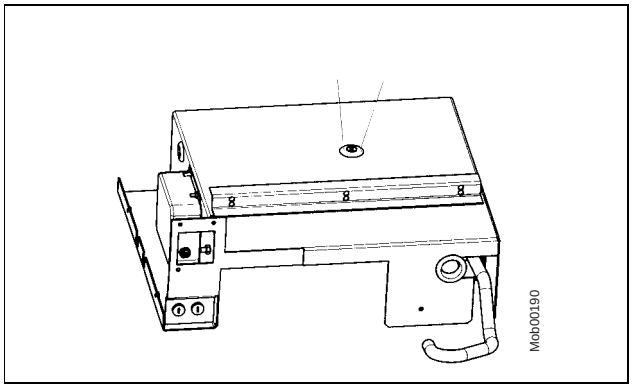

Fig. 4

- Remove the cable winder complete.
- Turn the cable winder complete upside down (Fig. 4).

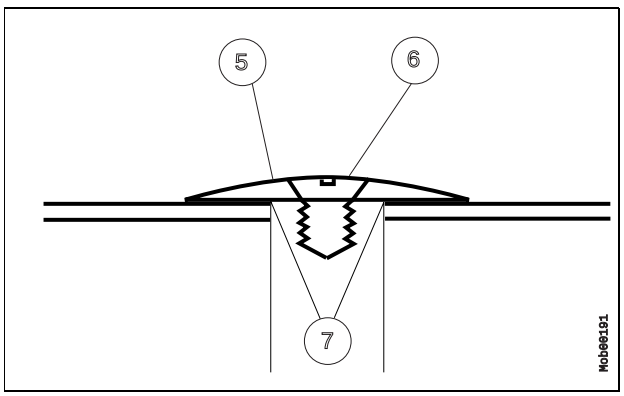

Fig. 5

- Attach the plastic washer (5/Fig. 5).

NOTICE	**Be aware that the cable winders shaft is in the right position before the plastic washer is attached.(7/Fig. 5)**

- Use LOCTITE 221 alternative LOCTITE 222 and tighten the screw (6/Fig. 5).
- Attach three new cable ties (4/Fig. 3).
- Reinstallation is performed in the reverse order.

NOTICE	**Do not forget to switch off S10 on board D7 (to enable charging of the capacitors bank.)**

- Check the cable winders function.

CAUTION	**Use radiation protection!**

- Check the unit by releasing an exposure.